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211-01  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of

Michael EISENHUT et al.

Serial No.: 09/781,980

Filed: 14 February 2001

For: OLIGONUCLEOTIDE CONJUGATES

Group Art Unit: 1645

Examiner: TBA

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97-1.98, Applicants hereby notify the Examiner of documents that may be deemed material to the examination of the above-identified application.

Since the instant Information Disclosure Statement is being filed prior to issuance of a first Office Action on the merits, no certification under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17(b) is required.

Also, as indicated, all of the documents are in English and therefore, no brief statement of relevance is required.

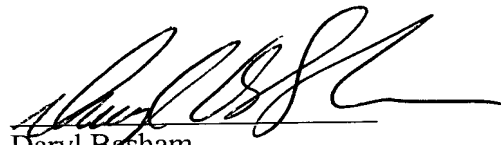
INFORMATION DISLCOSURE STATEMENT

Michael EISENHUT et al.

U.S. Serial No.: 09/781,980

Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the instant application.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'Daryl Basham', written over a horizontal line.

Daryl Basham

Reg. No. 45,869

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& Goodman, L.L.P.  
1300 19<sup>th</sup> Street, N.W., Suite 600  
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Dated: 05 July 2001

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 41443	SERIAL NO. 09/781,980
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT Michael EISENHUT et al.	
		FILING DATE 02/14/01	GROUP 1645

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

/	Chrissey, "An indexed bibliography of antisense literature, 1978-1990." <i>Antisense Res Dev</i> (1991) 1(1):65-113.
/	Colige et al., "Use of an antisense oligonucleotide to inhibit expression of a mutated human procollagen (COL1A1) in transfected mouse 3T3 cells." <i>Biochemistry</i> (1993) 32(1):7-11.
/	Chavany et al., "Contribution of sequence phosphorothioate content to inhibition of cell growth and adhesion caused by c-myc antisense oligomers." <i>Mol Pharmacol</i> (1995) 48(4):738-46.
/	Maltese et al., "Sequence context of antisense TeclA/NF-kappa B phosphorothioates determines specificity." <i>Nucleic Acids Res</i> (1995) 23(7):1146-51.
/	Hertl et al., "Inhibition of interferon-gamma-induced intercellular adhesion molecule-1 expression on human keratinocytes by phosphorothioate antisense oligodeoxynucleotides is the consequence of antisense-specific and antisense-non-specific effects." <i>J Invest Dermatol</i> (1995) 104(5):813-8.
/	Stein et al., "Antisense oligonucleotides as therapeutic agents- is the bullet really magical?" <i>Science</i> (1993) 261(5124):1004-12.
/	Mateucci et al., "In pursuit of antisense." <i>Nature</i> (1996) 384(6604 Suppl):20-2.
/	Galbraith et al., "Complement activation and hemodynamic changes following intravenous administration of phosphorothioate oligonucleotides in the monkey." <i>Antisense Res Dev</i> (1994) 4(3):201-6.
/	Stein et al., "Phosphorothioates and normal oligonucleotides with 5'-linked acridine: characterization and preliminary kinetics of cellular uptake." <i>Gene</i> (1988) 72(1-2):333-41.
/	Krieg et al., "CpG motifs in bacterial DNA trigger direct B-cell activation." <i>Nature</i> (1995) 374(6522):546-9.

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw Line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
							YES	NO	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)	
✓	Mologni et al., " In vitro transcription and translational block of the bcl-2 gene by peptide nucleic acid." Biochem Biophys Res Comm (1999) 264(2):537-543.
	Wijsman et al., " Solid support synthesis of di- and tetramannosylated tetrathymidylic acid." Recueil des Travaux Chimiques des Pays-Bas (1996) 115(9):397-401.
	Monsigny et al., " Glucoconjugates as carriers for specific delivery of therapeutic drugs and genes." Adv Drug Deliv Rev (1994) 14(1):1-24.

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